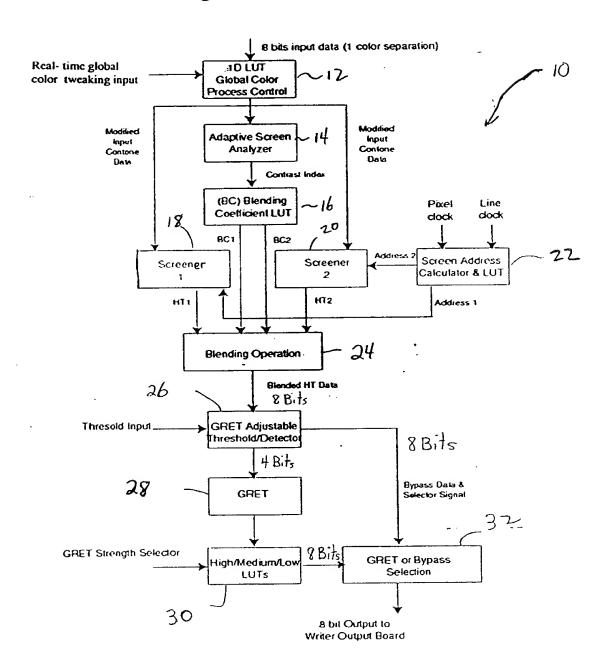
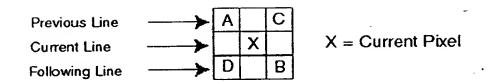
Figure 1

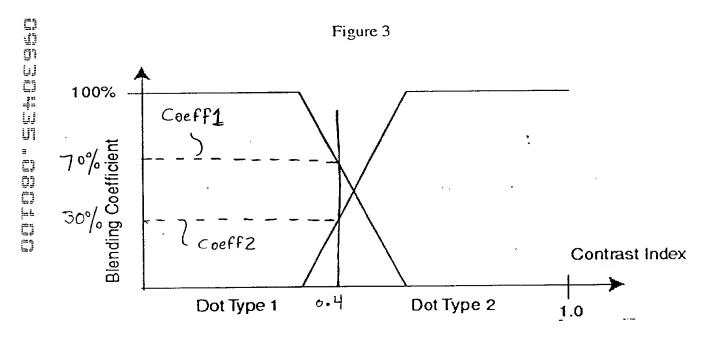


America Maria

Figure 2

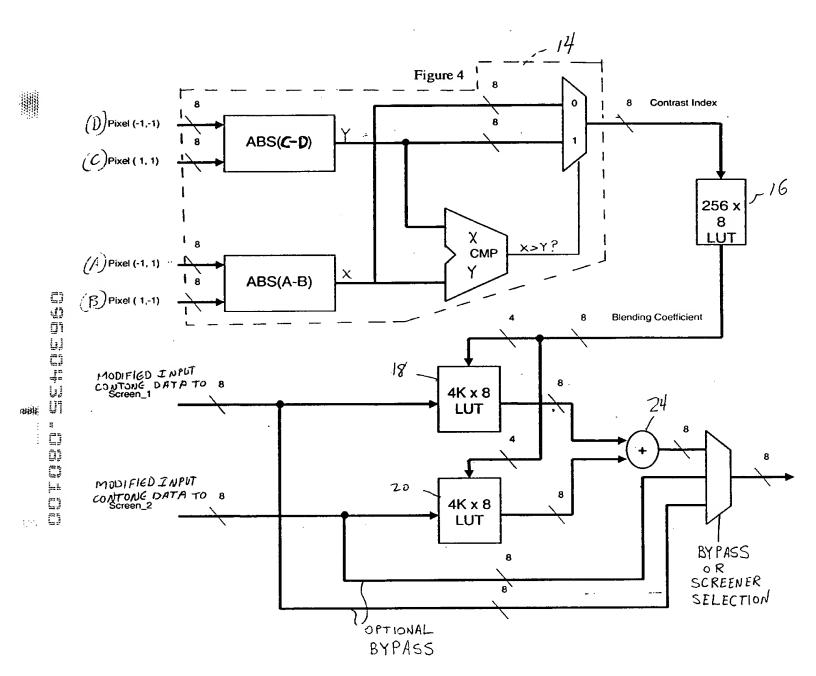


Contrast Index = Max (IA-BI, IC-DI)



Rendered Dot Value = (Dot1\_value) x Coeff1 + (Dot2\_value) x Coeff2)

Coeff1 + Coeff2 = 1.0



CONTROL OF THE CONTRO

_	
0	
=	
Ē	
S	
=	
=	
_	
_	
_	
⊆	
ġ.	
ĕ	
Ķ	
S	

																1			
8	0	0	0	0	0	0	0	0	0	0	0	0	234	255	255	255	0	0	0
17	0	0	0	0	0	0	0	0	235	259	255	255	255	255	255	255	0	0	0
9	0	0	0	0	235	253	255 \	255	255	255	255	255	255	255	255	255	þ	0	0
15	9	253	255	255	255	255											183	0	0
4	4	255				255											125	0	0
5	0	١				255										255	255	þ	0
5	0	255			255							255				_	255	þ	0
Ξ	0	f			255							255					255	188	0
9	0	4	255	255		255											255	255	0
<b>o</b>	0	0	255			255										255	255	255	6
∞,	0	0	1992			255		•						•					þ
7	0	0	F			255 ;													255
ဖ	0	0	9	255		255 ;													133 133
ស	0	0	0	235		255													255
4	0	0	0	Γ		255 ;												255	\$55
ო	0	0		- 1		255										285	Ø	6	0
. 4	0	0	0	0		255						265	P	6	0	0	0	0	0
-	0	0	0	0	1	255		255	۶	6	0	0	0	0	0	0	0	0	0
0	0	0	0	0	255	6	0	0	0	0	0	0	0	0	0	0	0	0	0
					••														
255	0	-	7	က	4	വ	9	7	8	တ	9	=	12	13	14	15	16	17	18
Plane ≖																			

Fig. 6(a)

8	0	0	0	0	0	0	0	0	0	0	0	0	۶	16	117	S	0	0	0
17	0	0	0	0	0	0	0	0	۶	12	155	9	<u>.</u> 86	233	248	187	0	0	0
16	0	0	0	0	٦	Ŕ	182	22	48	204	253	209	156	219	241	8	þ	0	0
5	9	₹ (X)	187	83	35	163	253	228	155	202	248	132	0	25	168	32	4	0	0
44	þ	117	248	241	168	182	243	181	22	27	152	2	0	<u>ლ</u>	182	163	a	0	0
13	0	186	233	219	27	13	117	116	0	0	134	194	2	117	243	253	182	þ	0
. 2	0	þ	77	156	0	0	<u>8</u>	212	104	88	225	255	212	116	181	228	22	þ	0
Ξ	0	4	4	503	132	2	194	255	235	133	164	235	<del>1</del>	0	52	155	48	4	0
10	0	9	155	253	248	152	134	225	157	0	0	126	8	0	27	202	204	<u>8</u>	0
თ	0	0	8	204	202	27	0	88	126	0	0	157	225	<del>1</del> 34	152	248	253	155	þ
∞	0	0	þ	48	155	22	0	104	235	164	133	235	255	194	2	132	503	9	4
7	0	0	4	22	228	<del>1</del> 8	116	212	255	225	86	10 4	212	∞	0	0	156	86	d
ဖ	0	0	0	182	253	243	117	<u>∞</u>	194	134	0	0	116	117	<u>ნ</u>	24	219	233	8
ှယ	0	0	0	k	163	182	13	0	2	152	27	55	181	243	182	168	241	248	117
4	0	0	0	þ	32	168	54	0	132	248	202	155	228	253	163	32	83	187	32
က	0	0	0	4	83	241	219	156	209	253	204	48	27	182	02/	%	ح	6	0
8	0	0	0	0	187	248	233	86	40	155	/120	<u></u>	ح	6	0	0	0	0	0
-	0	0	0	0	\$	117	/166	°	مح	6	0	0	0	0	0	0	0	0	0
0	0	0	0	0	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0
128	0	-	7	က	4	ა	9	7	ω	တ	유	Ξ	12	5	7	15	16	17	18
Plane≃																			

Fig. 6(b)

N

0 + 2 8 9 0 0 1 2 5 4 5 5 7 8

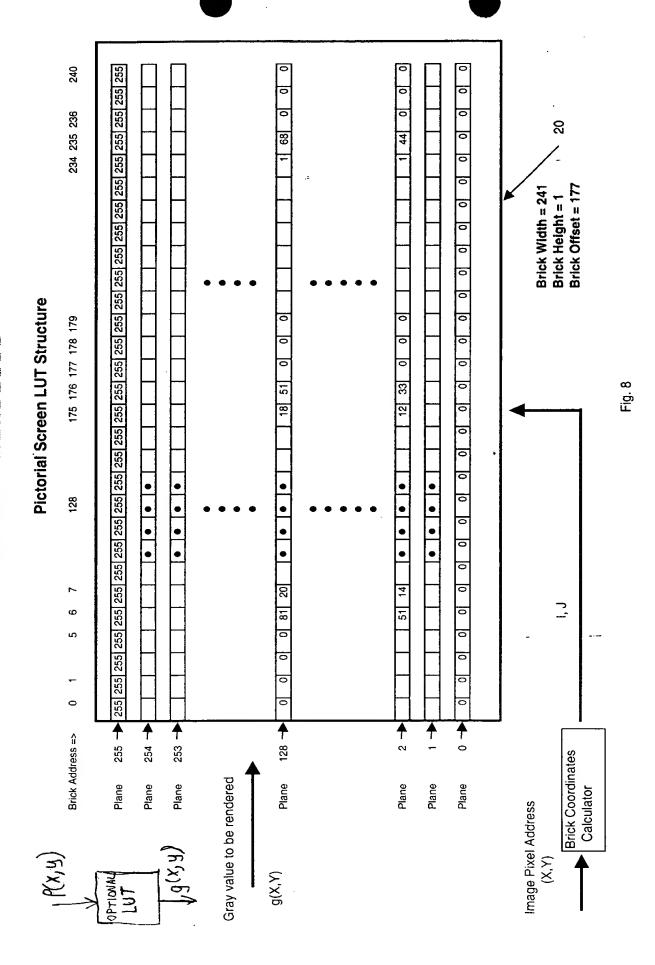
Fig 6(C)

Brick Offset = 177

2. Brick Height =

. Brick Width = 241

Fg.7C)



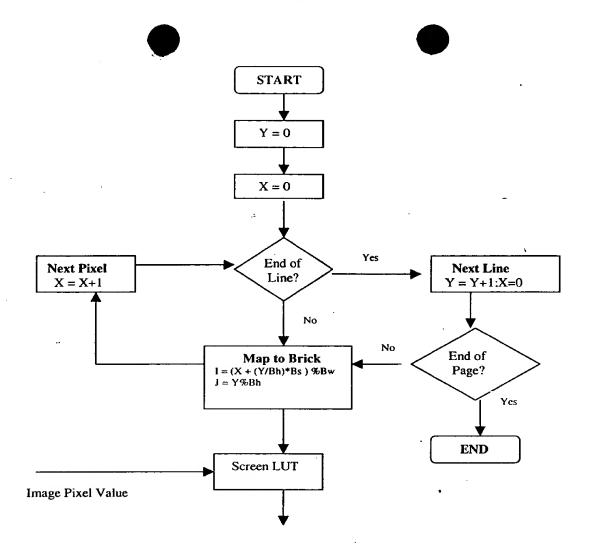


Figure: Screening Operation Flow Diagram (X,Y: Image Pixel address; I,J: Brick address) (Bw: Brick width; Bh: Brick height; Bs: Brick offset)

Example of 2x2 size of Text screen tlle

1. Brick Width = 2

(Screen ruling: 300 LPI

Screen Angle: 0)

2. Brick Height = 2

3. Brick Offset = 0

Plane 255

255	255
255	255

Plane 128

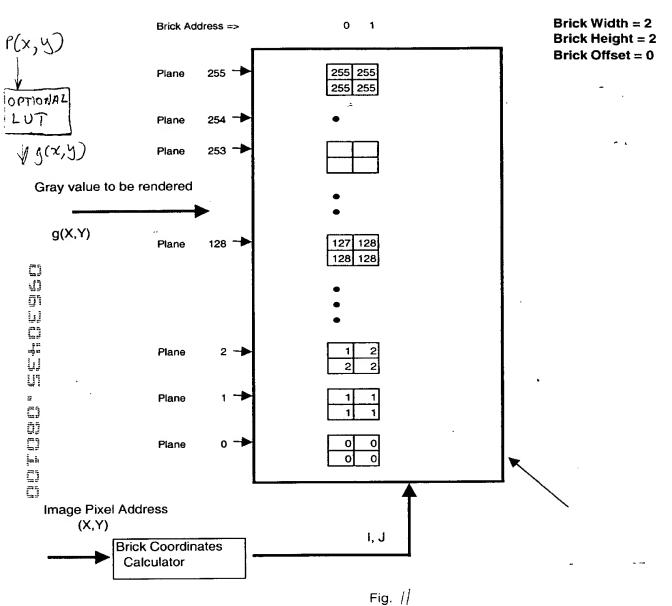
128	128
127	128

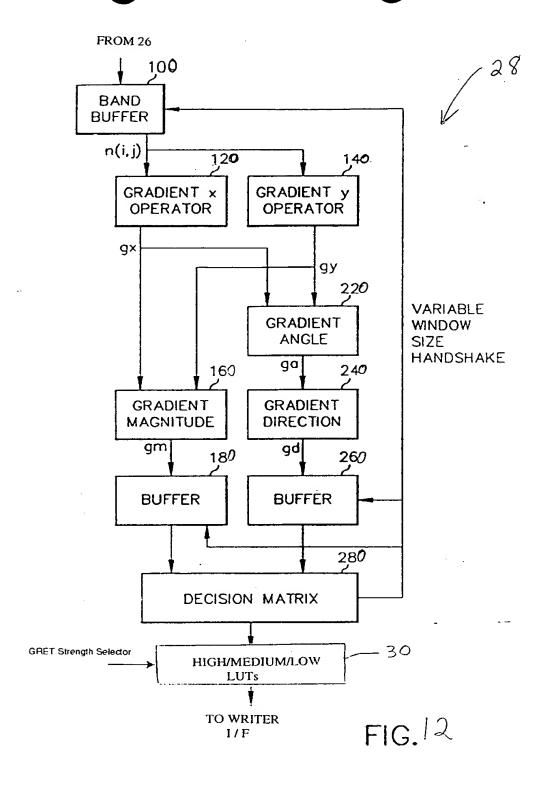
Plane 2

•
---

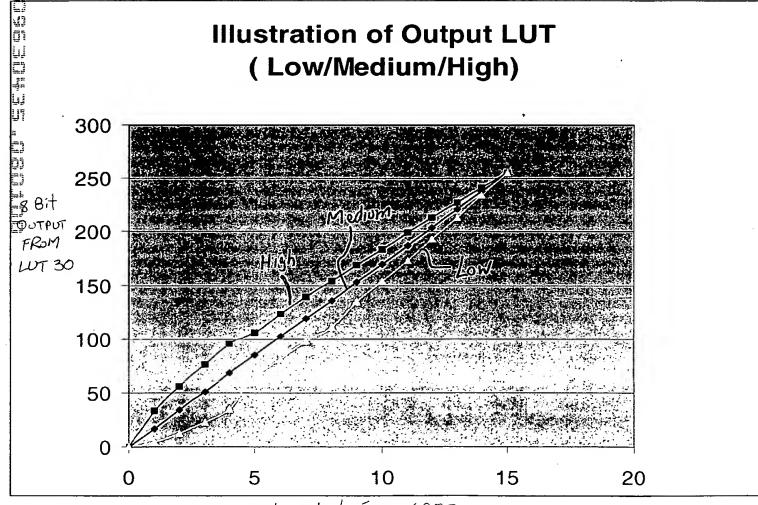
; \$ \$ \$

# **Text Screen LUT Structure**





	Medium	High	Low
0	0	0	0
1	17	33	4
2	34	56 <sup>-</sup>	12
3	51	76	23
4	68	95	35
5	<b>8</b> 5	106	65
6	102	123	81
7	119	139	98
8	136	154	111
9	153	169	135
10	170	184	154
11	187	199	173
12	204	213	193
13	221	227	213
14	238	241	234
15	255	255	255



4 Bit Output From GRET

Fig.13

•	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	0	0	0	0	0	0	0	0	0	0	0	255	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	0	0	0	0	0	0	0	0	0	0	0	255	2	0	0	0	0	0	0	0	0	0	255	0	0	0	0	0	0	255	0
•	0	0	0	0	0	0	0	0	0	0	0	0	255	255	0	0	0	0	0	0	0	0	255	0	0	0	0	0	0	255	0
•	0	0	0	0	0	0	0	0	0	0	0	0	0	255	0	0	0	0	0	0	0	0	255	255	0	0	0	0	0	255	0
•	<b>&gt;</b>	0	0	0	0	0	0	0	0	0	0	0	0	255		0	0	0	0	0	0	0	0	255	0	0	0	0	0	255	0
•	0	0	0	0	0	0	0	0	0	0	0	0	0	0	255	255	0	0	0	0	0	0	0	255	0	0	0	0	0	255	0
•	0	0	0	0	0	0	0	0	0	O	0	0	0	0	0	255	0	0	0	0	0	0	0	255	0	0	0	0	0	255	0
•	Þ	255	0	0	0	0	0	0	0	0	0	0	0	0	0	255	255	0	0	0	0	0	0	255	255	0	0	0	0	255	0
•	0	വ	255	ഹ	0	0	0	0	0	0	0	0	0	0	0	0	255	255	0	0	0	0	0	0	255	0	0	0	0	255	0
(	0	0	0	255	ß	0	0	0	0	0	0	0	0	0	0	0	0	255	0	0	0	0	0	0	255	0	0	0	0	255	0
•	>	0	0	0	255	255	0	0	0	0	0	0	0	0	0	0	0	255	255	0	0	0	0	0	255	255	0	0	0	255	0
•	0	0	0	0	0	255	255	S	0	0	0	0	0	0	0	0	0	0	255	255	0	0	0	0	0	255	0	0	0	255	0
•	0	0	0	0	0	0	0	255	255	0	0	0	0	0	0	0	0	0	0	255	0	0	0	0	0	255	0	0	0	255	0
	>	0	0	0	0	0	0	0	255	25	0	0	0	0	0	0	0	0	0	255		0	0	0	0	255	0	0	0	255	0
•	0	0	0	0	0	0	0	0	0	255	255	255	0	0	0	0	0	0	0	0	255	0	0	0	0	255	255	0	0	255	0
•	∍	0	0	0	0	0	0	0	0	0	0	25	255	0	0	0	0	0	0	0	255		0	0	0	0	255	0	0	255	O
•	0	0	0	0	0	0	0	0	0	0	0	0	255	255	0	0	0	0	0	o	0	255	255	0	0	0	255	0	0	255	0
•	0	0	0	0	0	0	0	0	0	0	0	0	0	255	255	255	0	0	0	0	0	0	255	255	0	0	255		0	255	0
(	⊋	0	0	0	0	0	0	0	0	0	0	0	0	0	0		25	0	0	0	٥	0	0	255	0	0	0	255	0	255	0
•	0	255	255	0	0	0	0	0	0	0	0	0	0	0	0	0	255	25	255	0	0	0	0	255	255	0	0	255	0	255	0
•	>	0	255	255	255	25		0	0	0	0	0	0	0	0	0	0	0	255		0	0	0	0	255	0	0	255	0	255	0
•	Þ	0	0	0	0	_	25	255	25	2	0	0	0	0	0	0	0	0	0	7	25	0	0	0	255	2	0	255	0	255	0
•			0			0	0				25	25	25	25				0	0		7	25	25	0		255		255		255	
																					0						0	255		25	
																	25	25	25		0					25		25		25	
																					255										
																					0							25		25	
•	0	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	0
•	>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	_	_	_	_	_	_	_	_	_	_	-	-	-	-		-	-	-	-	-	-	-	_	-	_	-	-	_	_	_	_

0

0

打9,14

GRET Output with LUT: Medium strength

,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	c
,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	<
•	0	0	0	0	0	0	0	0	0	0	0	255	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	<
•	0	0	0	0	0	0	0	0	0	0	0	255	255	0	0	0	0	0	0	0	o ::	0	255	0	0	0	0	0	0	255	0	_
•	0	0	0	0	0	0	0	0	0	0	0	0	'n	255	0	0	0	0	0	0	0	0	S	136	0	0	0	0	0	255	0	c
•	0	0	0	0	0	0	0	0	0	0	0	0	136	255	136	0	0	0	0	0	0	0	204	204	0	0	0	0	0	255	0	<
•	0	0	0	0	0	0	0	0	0	0	0	0	0		255	0	0	0	0	0	0	0		255	0	0	0	0	0	255	0	c
•	0	0	0	0	0	0	0	0	0	0	0	0	0	0		255	0	0	Ġ	0	0	0	119	255	119	0	0	0	0	255	0	c
•	0	0	0	0	0	0	0	0	0	0	0	0	0	0	136	255	136	0	0	0	0	0	0	255	136	0	0	0	0	255	0	c
•	0	255	0	0	Ó	0	0	0	0	0	0	0	0	0	0		255	0	0	0	0	0	0	204	204	0	0	0	0	255	0	c
•		S	255	255	0	.0	0	0	0	0	0	0	0	0	0	0		255	0	0	0	0	0	$\sim$		0	0	0	0	255	0	c
•	0	0	0	255	S	0	0	0	0	0	0	0	0	0	0	0	136	255	136	0	0	0	0	0	255	136	0	0	0	255	0	<
•	<b>•</b>	0	0	0	255	S	136	0	0	0	0	0	0	0	0	0	0	255	255	0	0	0	0	0	204	204	0	0	0	255	0	•
•	0	0	0	0	0	2	255	255	0	0	0	0	0	0	0	0	0	0	255	255	0	0	0	0	136		0	0	0	255	0	<
•	Þ	0	0	0	0	0	m	255	255	0	0	0	0	0	0	0	0	0		255		0	0	0		255	119	0	0	255	0	C
•	0	0	0	0	0	0	0	102	255	255	136	0	0	0	0	0	0	0	0	204	204	0	0	0	0	255		0	0	255	0	•
•	0	0	0	0	0	0	0	0		25	25	255			0	0	0	0	0		25	136		0		7	20	0		25	0	•
•	0	0	0	0	0	0	0	0	0	0		255	25		0	0	0	o	0	0	~	25	10		0	13	25			255		_
•	0	0	0	0	0	0	0	0	0	0	0	10	25	255	13	0	0	0	0	0		25	255	-		0	25	13		255		_
(	<b>&gt;</b>		0		_	-	0	_		-	0				25	255		0	-	_	0	_	25	7			204	204		25	-	_
•	-		0		-	0	-	-	۰	-	-	-	0	0	33	255	25	136	0	0	0	0	13	255	13		13	25		255	_	_
,		25	25	5 136	11		4	9	0	_	_	_	0	_	0	0	255	S	25	2	0	_	0	20	5 204	_		255		5 255	0	_
,	~ ~		0 25	25	25	25	20	5 136		-		6	0	_	_	_	_	13	S	25		.0	0	13	25			25		5 255		_
•	_	_	0	0	0 119	136	207	255	5 255	1 204	3 136	3 119		_		_	_	_	0 100	25!	5 25!	5 136	_	_	25	25.	_	25.	_	5 25	_	_
`	<u> </u>	_				_	_	0		7	7	9 25!	2	7	Ч	.0	·	·0	0		~	5 25	~	.0		5 255	0	5 25	·	5 25	0	_
																6 255																
																0 136																
																0 0																
																												25		25		
																0 255																
•	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	Ī

15.15

GRET Output with LUT: Low strength

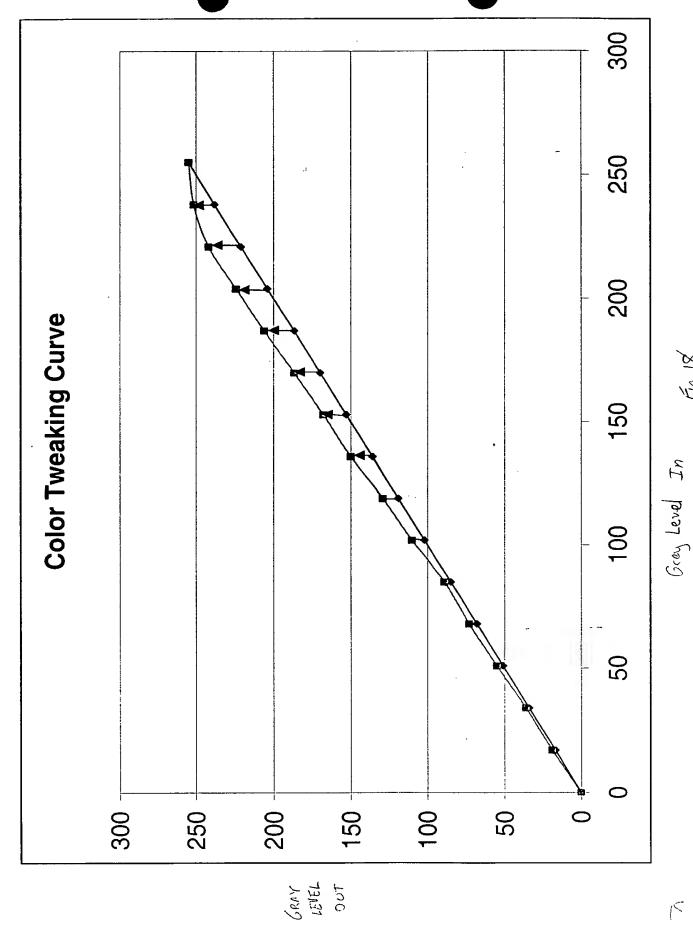
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	255	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	255	255	0	0	0	0	0	0	0	0	0	255	0	0	0	0	0	0	255	0	0
0	0	0	0	0	0	0	0	0	0	0	0	255	255	0	0	0	0	0	0	0	0	255	116	0	0	0	0	0	255	0	0
0	0	0	0	0	0	0	0	0	0	0	0	116	255	116	0	0	0	0	0	0	0	193	193	0	0	0	0	0	255	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	255	255	0	0	0	0	0	0	0	116	255	0	0	0	0	0	255	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	255	255	0	0	0	0	0	0	98	255	98	0	0	0	0	255	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	116	255	116	0	0	0	0	0	0	255	116	0	0	0	0	255	0	0
0	255	0	0		0	0	0	0	0	0	0	0	0	0	255	255	0	0	0	0	0	0	193	193	0	0	0	0	255	0	0
0	255	255	S	0	0	0	0	0	0	0	0	0	0	0	0	255	255	0	0	0	0	0	116	255	0	0	0	0	255	0	0
0	0	0		255	0	0	0	0	0	0	0	0	0	0	0	116	255	116	0	0	0	0	0	255	116	0	0	0	255	0	0
0	0	0	83	255	255	116	0	0	0	0	0	0	0	0	0	0	255	255	0	0	0	0	0	193	193	0	0	0	255	0	0
0	0	0	0	0	255	255	255	0	0	0	0	0	0	0	0	0	0	255	255	0	0	0	0	116	255	0	0	0	255	0	0
0	0	0	0	0	0	116	255	255	0	0	0	0	0	0	0	0	0	116	255	116	0	0	0		255	86	0	0	255	0	0
0	0	0	0	0	0	0	81	255	255	116	0	0	0	0	.0	0	0	0	193	193	0	0	0	0	255	116	0	0	255	0	0
0	0	0	0	0	0	0	0	0	255	255	255	0	0	0	0	0	0	0	116	255	116	0	0	0	193	193	0	0	255	0	0
0	0	0	0	0	0	0	0	0	0	116		255	0	0	0	0	0	0	0	255	255	81	0	0	116	255	0	.0	255	0	0
0	0	0	0	0	0	0	0	0	0	0	81	255	255	116	0	0	0	0	0	0	255	255	0	0	0	255	116	0	255	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	255	255	255	0	0	0	0	0	0		255	0	0	193	193	0	255	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	116	255	255	116	0	0	0	0	116	255	116	0	116	255	0	255	0	0
0		255	116	98	0	0	0	0	0	0	0	0	0	0	0	255	255	255	0	0	0	0	193	193	0	0	255	0	255	0	0
0	0	255	255	255	255	193	116	0	0	0	0	0	0	0	0	0	116	255	255	0	0	0	116	255	116	0	255	0	255	0	0
0	0	0	0	9 8	116	193	255	255	193	116	86	0	0	0	0	0	0	81	255	255	116	0	0		255	0	255	0	255	0	0
0	0	0	0	0	0	0	0	116	Ω.	255	5	ß	O,	116	0	0	0	0	0	S	255	9	0	_	255	0	255	0	255	0	0
0	0	0	0	0	0	0	0	0	0	0	ον 00	116	193	255	255	193	116	0	0	0	116	193	255	255	255	0	255	0	255	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	116	193	255	193	116	0	0	0	0	0	255	0	255	0	255	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	116	193	255	255	255	255	255	255	255	255	255	0	255	0	0
																														0	
0	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	0	0
																														0	
0	0	0	o	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

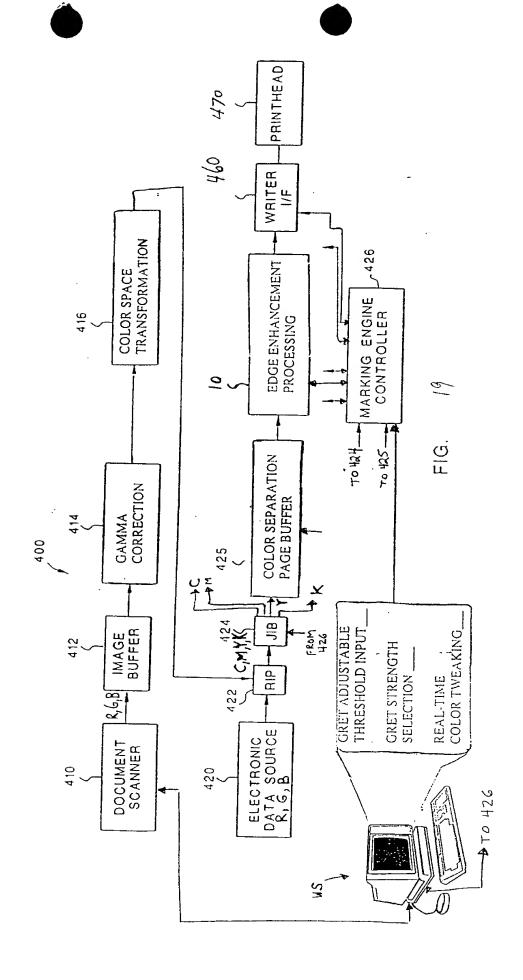
-1g, 16

GRET Output with LUT: High strength

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	255	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	255	255	0	0	0	0	0	0	0	0	0	255	0	0	0	0	0	0	255	0	0
0	0	0	0	0	0	0	0	0	0			255		0	0	0	0	0	0	0	0	Ś	154	0	0	0	0	0		0	0
0	0	0	0	0	0	0	0	0	0	0	0	4	255	154	0	0	0	0	0	0	0		213	0	0	0	0	0		0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	255	255	0	0	0	0	0	0	0	4	255	0	0	0	0	0	255	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	255	255	0	0	0	0	0	0	139	255	139	0	0	0	0	255	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0		255	154	0	0	0	0	0	0	255	154	0	0	0	0	255	0	0
	255	0	0	O	0	0	0	0	0	0	0	0	0	0	255	255	0	0	0	0	0	0	213	213	0	0	0	0	255	0	0
0	22	255	255	0	0	0	0	0	0	0	0	0	0	0	0	255	255	0	0	0	0	0	4	255	0	0	0	0	255	0	0
0	0	0	255	S	0	0	0	0	0	0	0	0	0	0	0	154	255	154	0	0	0	0	0	255	154	0	0	0	255	0	0
0	0	0	123	255	255	154	0	0	0	0	0	0	0	0	0	0	255	255	0	0	0	0	0	213	213	0	0	0	255	0	0
0	0	0	0	0	ഹ	255		0	0	0	0	0	0	0	0	0	0	255	255	0	0	0	0	154	255	0	0	0	255	0	0
0	0	0	0	0	0	154	255	255	0	0	0	0	0	0	0	0	0	154	255	154	0	0	0	139	255	139	0	0	255	0	0
0	0	0	0	0	0	0	123	255	255	154	0	0	0	0	0	0	0	0	213	213	0	0	0	0	255	154	0	0	255	0	0
0	0	0	0	0	0	0	0	0	255		255	0	0	0	0	0	0	0	154	255	154	0	0	0	213	213	0	0	255	0	0
0	0	0	0	0	0	0	0	0	0	154	255	255	0	0	0	0	0	0	0	255	255	123	0	0	154		0	0	255	0	0
0	0	0	0	0	0	0	0	0	0	0	123	255	255	154	0	0	0	0	0	0	255	255	0	0	0	255	154	0	255	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	255	255	255	0	0	0	0	0	0	255	255	0	0	213	213	0	255	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	154	255	255	154	0	0	0	0	154	255	154	0	154	255	0	255	0	O
	ß	S	154	139	0	0	0	0	0	0	0	0	0	0	0	S		255	0	0	0	0	213	213	0	0	255	0	255	0	0
0	0	S	255		255	213	154	0	0	0	0	0	0	0	0	0	154	255	255	0	0	0	154	255	154	0	255	0	255	0	0
0	0	0	0	139	154	213	255	255	213	154	139	0	0	0	0	0	0	123	S	255	154	0	0	255	255	0	255	0	255	0	0
0			0	0	0	0	0		213						0	0	0	0	0		255		0	0	255		255	0	255	0	0
0	0	0	0	0	0	0	0	0	0	0	139	154	213	255															255		
0																													255		
																	-	~	C	N	~	N	N	~	C	(1)	(1		255		
																											25		255		
																													255		
																													0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Fig. 17





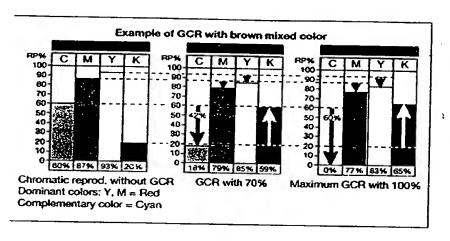


Fig. 20(a)

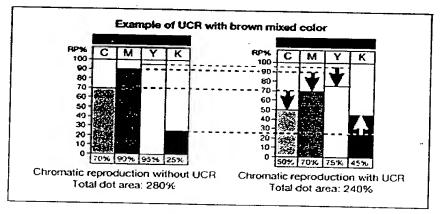


Fig. 20 (b)

# Illustration of tile structure and brick structure

Screen Tile Information:

1. Single cell C1 with one tile 2. Screen Angle = 45 degree

3. Screen ruling = 141 LPI @ 600d ρι

Screen example: 141 LPI@600 dpi, 45 degree

Step1:

Tile structure

<u> </u>	<b>1</b>					
X	X	Х	L X	Х	Х	Х
×	х	х	C1:	X	Х	х
X	х	(C1)	C1	€C1.	X	х
X	C1.	€C19	.C1	C12	C1.	х
×	.:C1:∄	CIN	©16	Ö	ξ <b>C</b> 1∄	Х
×	Х	(C16	C1	§ C1∈	X	х
х	х	х	(C1)	X	х	х
×	х	х	0	х	х	х

Step2:

Label pixel sequence in the tile

0	0	0	0	0	0	0
.0	0	0	鐵1億	0	0	0
0	0	2.	湯3%	4 💥	0	0
0	<b>7:5</b> ∄	- 6	<b>验7部</b>	8.8	<b>269</b>	0
0	10.	2112	<b>(12</b> )	約13萬	14	0
0	0	数15%	160	17%	0	0
0	0	0	<b>\$18</b> 7	0	0	0
0	0	0	0	0	0	0

Fig. 21-2

Step3:

Fill up image Plane with tile

		And of Comme	and the same									
. 1	ić. 10	<b>総红</b>	12	13	- 214	1.4	. 10	33.11	12	13	14	1 M
3	4	製15	316	17	2	3	- 4	15	16	1.7	242	,3
->∵ <b>7</b> ;	. 8	¥* 9	18	5	~`6	.7	/: «»:8	9779	18	5	7.6	* 37
12	13	14	1	10	11	12	. 13	14	10001	10	7911	12
16	17	<b>∷.</b> 2	急:3	4	15	16	17	~2	∵°3	<b>200</b> 4	:\$15	16
18	5	**6	2 7	8	. 9	.18	5	6	£7,	8	<b>139</b> 9	18
1	10	2211	12	13	14	1	10	11	. 12	13	314	. 1
3	4	15	16	17	2	∴′3	. 4	<b>15</b>	16	\$17	2	3
.7	. 8	19	18	5	- 6	::7	8	£33.9	:18	5	<b>5</b> 6	7
12	13	114		10	:11	12	1,3	14	1.5.1	和10	911	12
16	17	2	<b>3</b> √3	4	15	16	1.7	<u>.</u> 2	3	4	15	16
18	5	. 6	<b>32.7</b>	. 8	. 9	18	5	£6	1.17	8	39	18
1	<u>.</u> 10	211	12	13	14	* Z: 1	10	7 /11	. 12	13	14	1
:3	4		16	17	2	ું3	4	15	. 16	17	<b>2</b> 2	.3
- 7	∌ 8	9	第18	5	. 6	77	ે ૄ <b>ે8</b>	<b>验此9</b>	: 18	5	6	. 7
12	13	<b>%14</b>	201	10	11	12	'13	14	7221	<b>%</b> 10	***11	12
16	17	<b>9</b> 2	3	4	- 15	16	17	. 2		90° 4		16

Fig. 21-3

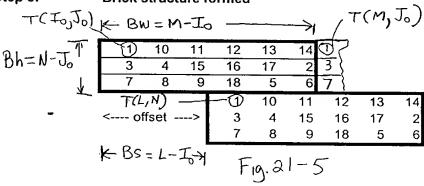
Step 4:

# Found repeating rectangle blocks in the image plane

-										_			
I	1	10	11	12	13	14	1	10	11	12	13	14	1
ı	3	4	15	16	17	2	3	4	15	16	17	2	3
L	7	8	9	18	5	6	7	_ 8	9	18	5	6	7
	12	13	14	1	10	11	12	13	14	1	10	11	12
ł	16	17	2	3	4	15	16	17	2	3	4	15	16
L	18	5	6	7	8	9	_18	5	6	7	8	9	18
I	1	10	11	12	13	14	1	10	11	12	13	14	1
ı	3	4	15	16	17	2	3	4	15	16	17	2	3,
L	7	8	9	18	5	6	7	_ 8	9	18	5	6	7,
I	12	13	14	1	10	11	12	13	14	1	10	11	12
1	16	17	2	3	4	15	16	17	2	3	4	15	16 <b>j</b>
ı	18	5	6	7	8	9	18	5	6	7	8	9	18
ı	1	10	11	12	13	14	1	10	11	12	13	14	1;
ı	3	4	15	16	17	2	3	4	15	16	17	2	. 3¦
Į	7	8	9	18	5	6	7	8	9	18	5	6	7
ſ	12	13	14	1	10	11	12	13	14	1	10,	11	12
Į	_16_	17	_2	3	_ 4_	15	_16_	17	2_	3	_ 4_	15	16

Fig. 21-4

## **Brick structure formed**



### **Brick information**

- 1. Brick width =  $6 \approx \beta \omega$ 2. Brick Height =  $3 \approx \beta h$
- 3. Brick Offset =  $3 = \beta \le$

106	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

•

•

•

•

Level 128

255	231	0	0	0	231
255	231	0	0	0	231
220	99	99	220	100	100

•

•

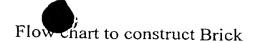
•

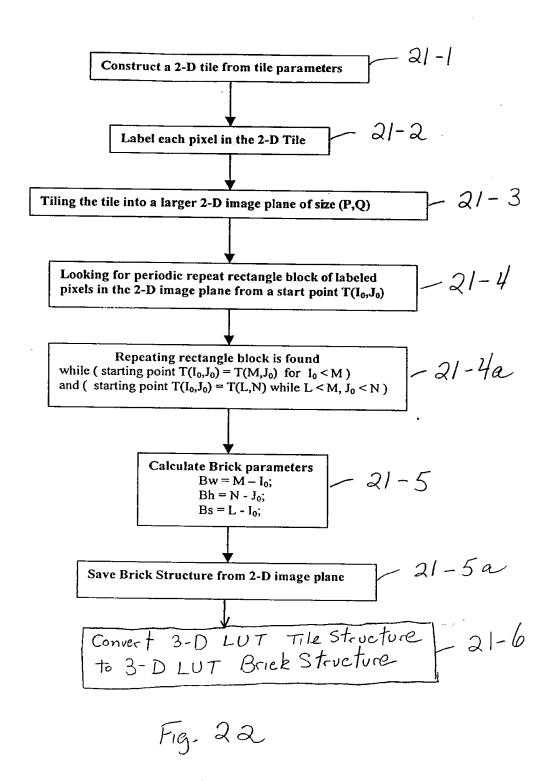
•

Level 255

255	255	255	255	255	255
255	255	255	255	255	255
255	255	255	255	255	255

Fig. 21-6





### 3creen #2: 171 lpi, 0 degree

#### Tile structure

_						
RC18	激C1.	C18	%C1;;	EC2	<b>XC2</b>	<b>EG21</b>
€01€	C1	C18	<b></b> ≰C,18	<b>G2</b>	(G2	(C2)
≰C,1%	€C1.	C <sub>13</sub>	*C19	(C2)	C21	(G2)
EC3	(C3)	C3	CAL.	<b>G2</b> 9	C2	(C2)
<b>968</b>	(G3)	(CS)	C4	SAL.	1621	-Ç.
@3;	<b>(03)</b>	(G3)	Kill I		144	
(G3)	(C3)	œs.	Ĉź.	(C)A	(C)4	100

#### Screen Information:

- 1. Four cells (C1,C2,C3,C4) with one tile
- 2. Each cell has different shapes
- 3. Different cell sizes among cells
- 4. Screen Angle = 0 degree
- 5. Screen ruling = 171 LPI @ 600dpi
- 6. Brick width = 7
- 7. Brick Height = 7
- 8. Brick Offset = 0

#### Dot type choices:

(full,partial, mixed, distributed dot type)

#### **Brick structure**

S1	E1	S1	E1	
S2	E2	S2	E2	
S3	E3	S3	E3	
S4	E4	S4	E4	
S5	E5	S5	· E5	
S6	E6	S6	E6	
S7	E7	S7	E7	
S1	E1	S1	E1	
S2	E2	S2	E2	
S3	E3	S3	E3	
S4	E4	S4	E4	
S5	E5	S5	E5	
S6	E6	S6	E6	
S7	£7	S7	E7	

S1,S2,..S7 : start of brick pixel

E1,E2,..E7: end of brick pixel

Fig. 23 (a)

# Screen #2: 171 lpi, 0 degree

Gray level = 2

<b>στ. Ο</b>	.0	<u>.</u> 0	0	國盛0	<b>認題0</b>	<b>EEE TO</b>
饭。0	- 31	∴18	/ 後0	逐	242	<b>跨越</b> 0
<b>0</b>	ୀ5	<b>8</b>	. 0	<b>配数3</b>	翼20	12:00
220	器器0	<b>1880</b> 0		<b>建建0</b>	<b>100</b>	<b>200</b>
<b>数数0</b>	<b>8</b>	<b>100</b>			T TIM	(8)
<b>10</b>	<b>888</b>	221	3.0			
3200	<b>3120</b>	<b>EX</b>			3 (1)	E (0

Dot type: distributed dot type

#### **Brick structure**

0	0	0	0	0	0	0
0	31	18	0	7	42	0
0	15	8	0	3	20	0
0	0	0	0	0	0	0
0	8	5	0	2	11	0
0	38	21	0	8	51	0
0	0	0	0	0	0	0

1. Brick width = 7

2. Brick Height = 7

3. Brick Offset = 0

Fig. 23(b)





# Screen #2: 171 lpi, 0 degree

# Gray level = 128

°≇20	164	<b>83</b>	₹ <u>:</u> 25	赛83	3164	5¥20
			<b>%132</b>			
<b>9.83</b>	229	<b>£</b> 163	<b>3551</b>	到59	233	學83
<b>8</b> 25	9132	<b>3</b> 51	强级	\$151	建132	<b>記載5</b>
283	223	<b>2</b> 159			224	283
			<b>100</b> 2			#Y6V
20	64	2283		<b>38</b> 8		20

Dot type: distributed dot type

### **Brick structure**

ı	20	164	83	5	83	164	20
ı	164	255	229	132	223	255	164
I	83	229	163	51	159	233	83
1	5	132	51	0	51	132	5
Ì	83	223	159	51	158	224	83
ı	164	255	233	132	224	255	164
i	20	164	83	5	83	164	20

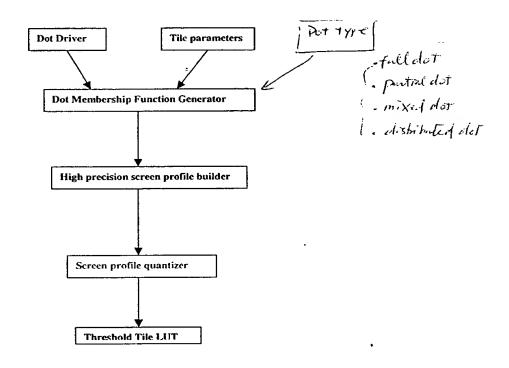
- 1. Brick width = 7
- 2. Brick Height = 7
- 3. Brick Offset = 0

Fig. 23(c)





# Flow Chart to Construct a Threshold LUT of a Tile



16x16 dot size Driver

			224				92						233		
			208			116	84	73					229		248
236	228	216	192		144	108	80.	69	101	137			213	,	237
217	212	200	180	152	120	100	63	55	93	121	145	177	189	205	221
193	184	172	148	128	58	46	39	35	51	67	125	149	173	185	201
164	156	140	124	66	42	30	22	19	31	43	59	117	141	157	165
132	112	104	96	50	26	14	6	11	15	27	47	97	105	113	133
88	76	72	54	34	18	10	4	3	8	23	37	61	77	81	89
90	82	78	62	38	24	7	2	1	12	17	33	53	70	74	87
134	114	106	98	48	28	16	. 9	5	13	25	49	95	103	111	131
166	158	142	118	60	44	32	20	21	29	41	65	123	139	155	163
202	186	174	150	126	68	52	36	40	45	57	127	147	171	183	194
222	206	190	178	146	122	94	56	64	99	119	151	179	199	211	218
238	226	214	198	170	138	102	71	79	107	143	175	191	215	227	235
246	242	230	210	182	154	110	75	83	115	159	187	207	231	243	251
254	249	234	220	196	162	130	86	91	135	167	203	223	239.	247	÷253